

P031607/WO/1

- 14 -

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Patent claims

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1. Vehicle data bus system having the following features:
- a data bus (1) via which a plurality of connected bus users have a data transmission connection to one another, and
 - locating means with a locating module (2) which is embodied as one of the bus users and which is configured to receive at least wheel speed data and forward/backward direction of travel data via the data bus (1) to acquire at least vehicle position data, direction of travel angle data, travel speed data and altitude position data and to output this acquired data onto the data bus, and for this purpose has a locating computing unit (2a) and a locating sensor system which comprises at least a GPS receiver (2b) with associated GPS antenna (4) and gyro data-sensing means (2c) in the form of the gyroscope (2c) or means for the bus-end reception and evaluation of gyro data of a travel dynamics/traction control system.
2. Vehicle data bus system according to Claim 1, further characterized in that the locating module (2") contains an integrated GPS antenna (4a).
3. Vehicle data bus system according to Claim 1 or 2, further characterized in that a further bus user is formed by a navigation unit (5), which receives the vehicle position data from the locating module (2) via the data bus (1), and by means of a map-matching process acquires position correction data which it inputs into the data bus in order to feed it back to

P031607/WO/1

- 15 -

5.1
A.1 the locating module.

4. Vehicle data bus system according to one of Claims
1 to 3, further characterized in that one or more
5 telematics service units (3) are provided as further
bus users which use data acquired from the locating
module (2) or the navigation unit (5).

5. Vehicle data bus system according to one of Claims
10 1 to 4, further characterized in that an engine and/or
gearbox control unit, which makes use of the altitude
position data acquired from the locating module (2), is
provided as a respective further bus user.

15 6. Vehicle data bus system according to one of Claims
1 to 5, further characterized in that the locating
module (2) is part of a further bus user, the locating
computing unit (2a) being used by this bus user for
additional tasks.

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